

March 8, 1951.

Professor C. A. Stuart,
Department of Biology,
Brown University,
Providence 12, R. I.

Dear Professor Stuart:

In response to your letter of the 5th, I am pleased to send herewith the five cultures which you requested. However, in place of W-677 I put W-1177, its S^r (streptomycin-resistant) mutant. If this is unsatisfactory, please let me know.

The attached sheet summarizes some particulars about the strains. You will find that Y-53 carries a "mutable" lactose-negative character, while that of W-1177 is stable. The other characters are likewise stable, but you may have some difficulty in scoring the Gal- and Ara- characters of W-1177, and I would not recommend using them unless necessary.

The first sentence of your letter was apparently pried in dictation, and I am not very clear as to precisely what you meant, although the gist is clear. The only serological data now available are that (acc. to Kauffmann) K-12, Y-40 and Y-53 all "give a weak agglutination in O sera 4, 14, and 16, but don't belong to the most frequently occurring O groups. They are probably not capsule types...." We have been preparing sera for K-12 and interfertile strains, but have not yet cleaned up the O-K-H components.

Sincerely,

Joshua Lederberg,
Associate Professor of Genetics